FRA° C12

Support natural Body Defences and control Pathogens

- » Immune system
- » Improve inflammatory response
- » Control Gram+ bacteria
- » Control fat-enveloped viruses



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PATHOGEN CONTROL

FRA® C12 is active against several **Gram-positive bacteria** (e.g. *Streptococcus suis, Staphylococcus aureus, Clostridium perfringens, Enterococcus faecalis*) and **fat-enveloped viruses** (e.g. *Infectious Bronchitis Virus, Porcine Reproductive and Respiratory Syndrome Virus*). The direct anti-pathogenic activity is mainly established by the disruption of the bacterial cell membrane and fat-envelope of the virus.

BODY DEFENCE

FRA® C12 improves natural Body Defence systems by increasing antibody titer values, indicating a more active **immune system**. This may lead to a better protection against pathogens during times of infection. Furthermore, our glycerides of lauric acid have shown in vitro to reduce Nitric Oxide production by macrophages-like cells, which is the first indication of their **anti-inflammatory effects**. In literature it is shown that glycerides of lauric acid reduce the production of pro-inflammatory cytokines, alleviating inflammation.

All these features of FRA® C12 result in a better defence mechanism of the animal against pathogenic challenges, lowering the necessity of using antibiotics.

COMPOSITION

» Glycerides of lauric acid

CHARACTERISTICS

- » Available in Dry & Liquid
- » Heat-stable & non-corrosive
- » Neutral taste and odour
- Available in 20 kg bag,1000 kg big bag and bulk

DOSAGE

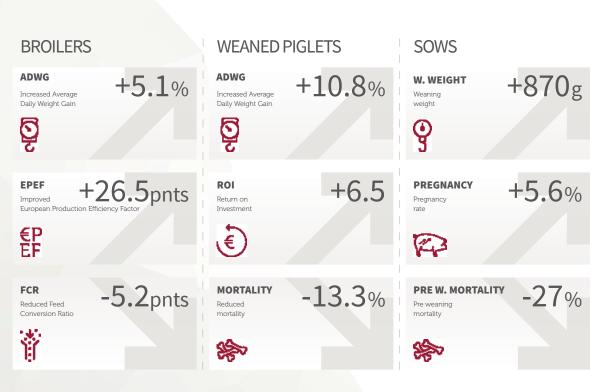
» Broilers: 1.0 – 3.0 kg/ton» Laying hens: 1.0 – 2.0 kg/ton

» Sows: 2.0 kg/ton

» Piglets: 2.0 - 4.0 kg/ton

For specific dosage advice, contact your technical salesrepresentative





Above results show average values compared to the control group.

requirements.

